

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0150	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0150 Merrit Island	A	18.07						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.21		0.21	1.16%	0.92	0.42		
Trim / Thin Trees	0.46		0.46	2.55%				
Encroachments	0.15		0.15	0.83%	0.37	0.01		
Animal Control	0.02		0.02	0.11%				
Slope Stability	0.08		0.08	0.44%			0.01	
Erosion / Bank Caving	0.06		0.06	0.33%				
Crown Surface / Depressions / Rutting	0.04		0.04	0.22%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.06%			9.40	
<i>LMA Totals:</i>	1.03	0.00	1.03	5.70%	1.29	0.43	9.41	0.00

Unit No. 01 Sutter Slough LB	Overall Unit Rating	Total Unit Miles						
RD0150	U	0.54						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.11		0.11	20.37%				
Encroachments					0.01			
<i>Unit Totals:</i>	0.11	0.00	0.11	20.37%	0.01	0.00	0.00	0.00

Unit No. 02 Sacramento River RB	Overall Unit Rating	Total Unit Miles						
RD0150	A	7.95						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	0.50%	0.40	0.42		
Trim / Thin Trees	0.15		0.15	1.89%				
Encroachments	0.03		0.03	0.38%	0.08			
Slope Stability	0.04		0.04	0.50%				
Erosion / Bank Caving	0.01		0.01	0.13%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.13%				
<i>Unit Totals:</i>	0.28	0.00	0.28	3.52%	0.48	0.42	0.00	0.00

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Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 03 Elk Slough LB	Overall Unit Rating	Total Unit Miles						
RD0150	A	9.58						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.06		0.06	0.63%	0.52			
Trim / Thin Trees	0.31		0.31	3.24%				
Encroachments	0.12		0.12	1.25%	0.28	0.01		
Animal Control	0.02		0.02	0.21%				
Slope Stability	0.04		0.04	0.42%			0.01	
Erosion / Bank Caving	0.05		0.05	0.52%				
Crown Surface / Depressions / Rutting	0.04		0.04	0.42%				
<i>Supplemental</i>								
USACE Erosion Survey							9.40	
<i>Unit Totals:</i>	0.64	0.00	0.64	6.68%	0.80	0.01	9.41	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway			Bank	Unit Miles
Unit No. 01 Sutter Slough			Left	0.54
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/23/2012 - 03/23/2012		10/31/2012 - 10/31/2012	
DWR Inspector	Pavel Kazi		Pavel Kazi	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sutter Slough						Left	0.54	10/31/2012 10/31/2012	Pavel Kazi	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.20	0.20	Earthen Levee	Vegetation	LS	M	V4 : Elderberries are blocking visibility and flood fight capability.	38.331402 ° -121.580358 °	38.331402 ° -121.580358 °	3 Y
DWR ID: DWR_RD0150_01_s_2012_3										
2	0.41	0.51	Earthen Levee	Vegetation	WS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.329179 ° -121.577987 °	38.328228 ° -121.576582 °	1 Y
DWR ID: DWR_RD0150_01_f_2012_1										
3	0.45	0.45	Earthen Levee	Encroachments	WS	M	TA : Tank Inspector Comments: Tank for the monitoring station on the waterward shoulder	38.328833 ° -121.577480 °	38.328833 ° -121.577480 °	2 Y
DWR ID: DWR_RD0150_01_s_2012_2										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.54	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	1
Start Levee Mile	0.20
End Levee Mile	0.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Elderberry tree was found on the landside of the levee. The picture was taken from the crown looking downstream.

pkazi_f_20120913_600.jpg



Levee Mile Report Line	2
Start Levee Mile	0.41
End Levee Mile	0.51
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Vegetation was found on the waterside of the levee looking upstream.

pkazi_f_20121102_999.jpg



Levee Mile Report Line	3
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Encroachments

A water tank was found on the waterside of the levee. The picture was taken from the crown looking downstream.

pkazi_f_20120913_599.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Right	7.95
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/29/2012 - 03/29/2012		10/31/2012 - 10/31/2012	
DWR Inspector	Pavel Kazi		Pavel Kazi	
Accompanied By				

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River				Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.14	4.85	Earthen Levee	Vegetation	WSA/W	V8 : Environmental Requirements.		38.329782 ° -121.574769 °	38.374641 ° -121.524730 °	5
					Ob					
								DWR ID: DWR_RD0150_02_s_2012_5		
2	0.16	0.16	Earthen Levee	Encroachments	WS	M	BU : Building	38.330047 ° -121.574538 °	38.330047 ° -121.574538 °	49
					En					Y
								DWR ID: DWR_RD0150_02_s_2012_49		
3	0.17	0.21	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	38.330173 ° -121.574490 °	38.330576 ° -121.574093 °	990
					En					Y
								DWR ID: DWR_RD0150_02_s_2012_990		
4	0.24	0.24	Earthen Levee	Vegetation	WS	C	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.330956 ° -121.573660 °	38.330956 ° -121.573660 °	50
					Ma					
								DWR ID: DWR_RD0150_02_s_2012_50		
5	0.25	0.25	Earthen Levee	Vegetation	LS	U	V6 : Landscaping	38.331035 ° -121.573502 °	38.331035 ° -121.573502 °	4
					En					Y
								DWR ID: DWR_RD0150_02_s_2012_4		
6	0.27	0.27	Earthen Levee	Encroachments	LS	M	TR : Tree or limb	38.331410 ° -121.573331 °	38.331410 ° -121.573331 °	94
					Ma					Y
								DWR ID: DWR_RD0150_02_s_2012_94		
7	0.34	0.34	Earthen Levee	Encroachments	LS	M	FE : Fence	38.332156 ° -121.572580 °	38.332156 ° -121.572580 °	9
					En					Y
								DWR ID: DWR_RD0150_02_s_2012_9		
8	0.39	0.39	Earthen Levee	Encroachments	WS	M	ST : Stairway	38.332647 ° -121.572140 °	38.332647 ° -121.572140 °	13
					En					Y
								DWR ID: DWR_RD0150_02_s_2012_13		
9	0.40	0.40	Earthen Levee	Slope Stability	WS	M	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.332717 ° -121.572083 °	38.332717 ° -121.572083 °	6
					Ma					Y
								DWR ID: DWR_RD0150_02_s_2012_6		
10	0.47	0.47	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	38.333641 ° -121.571260 °	38.333641 ° -121.571260 °	3
					En					
								DWR ID: DWR_RD0150_02_s_2012_3		
11	0.59	0.59	Earthen Levee	Trim / Thin Trees	WS	M	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.334776 ° -121.569760 °	38.334776 ° -121.569760 °	51
					Ma					Y
								DWR ID: DWR_RD0150_02_s_2012_51		
12	0.70	0.70	Earthen Levee	Riprap Revetments	WS	C	Inspector Comments: Non engineered revetment with exposed rebar was found on the waterside slope.	38.336183 ° -121.568374 °	38.336183 ° -121.568374 °	10
					Ma					
								DWR ID: DWR_RD0150_02_s_2012_10		
13	0.98	0.98	Earthen Levee	Trim / Thin Trees	LS	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.339035 ° -121.565145 °	38.339035 ° -121.565145 °	12
					Ma					Y
								DWR ID: DWR_RD0150_02_s_2012_12		
14	1.16	1.16	Earthen Levee	Trim / Thin Trees	LS	N	T5 : Tree stumps.	38.340864 ° -121.562915 °	38.340864 ° -121.562915 °	8
					Ma					Y
								DWR ID: DWR_RD0150_02_s_2012_8		
15	1.28	1.28	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	38.342229 ° -121.561694 °	38.342229 ° -121.561694 °	92
					En					
								DWR ID: DWR_RD0150_02_s_2012_92		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Sacramento River							Right	7.95	10/31/2012 10/31/2012	Pavel Kazi	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
16	1.34	1.37	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.342969 ° -121.561196 °	38.343252 ° -121.560794 °	91 Y	
								DWR ID: DWR_RD0150_02_s_2012_91			
17	2.20	2.26	Earthen Levee	Trim / Thin Trees	LS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.347076 ° -121.546726 °	38.347196 ° -121.545566 °	22 Y	
								DWR ID: DWR_RD0150_02_s_2012_22			
18	2.31	2.33	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.347355 ° -121.544628 °	38.347361 ° -121.544280 °	88 Y	
								DWR ID: DWR_RD0150_02_s_2012_88			
19	2.46	2.46	Earthen Levee	Encroachments	WS	C Ma	DE : Debris Inspector Comments: A platform and sitting/fishing area has been cut into the waterward slope. The encroachment should be removed and the slope repaired.	38.347614 ° -121.541988 °	38.347614 ° -121.541988 °	960 Y	
								DWR ID: DWR_RD0150_02_s_2012_960			
20	2.75	2.75	Earthen Levee	Encroachments	LS	M En	TA : Tank Inspector Comments: Tank was found with the 10 feet of toe landside easement.	38.349542 ° -121.537451 °	38.349542 ° -121.537451 °	23 Y	
								DWR ID: DWR_RD0150_02_s_2012_23			
21	2.80	2.80	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.350041 ° -121.536853 °	38.350041 ° -121.536853 °	14 Y	
								DWR ID: DWR_RD0150_02_s_2012_14			
22	2.82	2.82	Earthen Levee	Slope Stability	WS	C Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	38.350277 ° -121.536457 °	38.350277 ° -121.536457 °	1 Y	
								DWR ID: DWR_RD0150_02_s_2012_1			
23	2.82	2.82	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.350324 ° -121.536488 °	38.350324 ° -121.536488 °	16 Y	
								DWR ID: DWR_RD0150_02_s_2012_16			
24	3.02	3.06	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.352372 ° -121.534127 °	38.352802 ° -121.533638 °	85 Y	
								DWR ID: DWR_RD0150_02_s_2012_85			
25	3.29	3.29	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.	38.355321 ° -121.530902 °	38.355321 ° -121.530902 °	961 Y	
								DWR ID: DWR_RD0150_02_s_2012_961			
26	3.35	3.35	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.355979 ° -121.530288 °	38.355979 ° -121.530288 °	17 Y	
								DWR ID: DWR_RD0150_02_s_2012_17			
27	3.56	3.56	Earthen Levee	Encroachments	CR	M En	PI : Pipe Inspector Comments: PVC pipe was used for pumping the water.	38.358152 ° -121.527579 °	38.358152 ° -121.527579 °	15 Y	
								DWR ID: DWR_RD0150_02_s_2012_15			
28	3.60	3.73	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.358565 ° -121.527153 °	38.359729 ° -121.525345 °	82 Y	
								DWR ID: DWR_RD0150_02_s_2012_82			

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River				Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
29	3.90	3.93	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.361419 ° -121.523225 °	38.361752 ° -121.522974 °	80 Y
DWR ID: DWR_RD0150_02_s_2012_80										
30	3.94	3.94	Earthen Levee	Encroachments	WS	M En	ST : Stairway	38.361970 ° -121.522777 °	38.361970 ° -121.522777 °	33 Y
DWR ID: DWR_RD0150_02_s_2012_33										
31	4.15	4.16	Earthen Levee	Encroachments	LS	M En	BU : Building Inspector Comments: 3' retaining wall at the landward shoulder.	38.364854 ° -121.522378 °	38.365104 ° -121.522365 °	20 Y
DWR ID: DWR_RD0150_02_s_2012_20										
32	4.17	4.17	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.365162 ° -121.522365 °	38.365162 ° -121.522365 °	953 Y
DWR ID: DWR_RD0150_02_s_2012_953										
33	4.31	4.31	Earthen Levee	Trim / Thin Trees	WS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.367207 ° -121.522457 °	38.367207 ° -121.522457 °	36 Y
DWR ID: DWR_RD0150_02_s_2012_36										
34	4.33	4.35	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.367442 ° -121.522427 °	38.367740 ° -121.522495 °	24 Y
DWR ID: DWR_RD0150_02_s_2012_24										
35	4.37	4.41	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.368036 ° -121.522611 °	38.368540 ° -121.522729 °	79 Y
DWR ID: DWR_RD0150_02_s_2012_79										
36	4.49	4.49	Earthen Levee	Encroachments	WS	C Ma	DE : Debris	38.369781 ° -121.522995 °	38.369781 ° -121.522995 °	37 Y
DWR ID: DWR_RD0150_02_s_2012_37										
37	4.50	4.50	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 1999 - Downstream end (300 ft) repaired with rock. 2010 - Toe erosion, some vertical slopes lower down. 2011 - Failing rock repair. Slumping of the lower bank. Minor new erosion. 2012: No observed change. [2012 Site ID: SAC_38-5_R]	38.371909 ° -121.523316 °	38.370928 ° -121.523069 °	7 Y
DWR ID:										
38	4.68	4.68	Earthen Levee	Trim / Thin Trees	LS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.372380 ° -121.523802 °	38.372380 ° -121.523802 °	977 Y
DWR ID: DWR_RD0150_02_s_2012_977										
39	4.76	4.76	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.373485 ° -121.523963 °	38.373485 ° -121.523963 °	28 Y
DWR ID: DWR_RD0150_02_s_2012_28										
40	4.78	4.79	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.373688 ° -121.524280 °	38.373970 ° -121.524403 °	76 Y
DWR ID: DWR_RD0150_02_s_2012_76										
41	4.95	4.95	Earthen Levee	Encroachments	WS	M Ma	PI : Pipe Inspector Comments: Abandoned pipe is not welded all the way around the outside perimeter.	38.375923 ° -121.525312 °	38.375923 ° -121.525312 °	21 Y
DWR ID: DWR_RD0150_02_s_2012_21										
42	4.98	4.98	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.376392 ° -121.525429 °	38.376392 ° -121.525429 °	39 Y
DWR ID: DWR_RD0150_02_s_2012_39										

*** Location**

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LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
43	5.14	5.17	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.378715 ° -121.525458 °	38.379052 ° -121.525341 °	30
								DWR ID: DWR_RD0150_02_s_2012_30		
44	5.14	7.95	Earthen Levee	Vegetation	WSA/W	Ob	V8 : Environmental Requirements.	38.378674 ° -121.525423 °	38.414029 ° -121.522991 °	40
								DWR ID: DWR_RD0150_02_s_2012_40		
45	5.17	5.22	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.379054 ° -121.525341 °	38.379769 ° -121.525024 °	75 Y
								DWR ID: DWR_RD0150_02_s_2012_75		
46	5.33	5.33	Earthen Levee	Slope Stability	WS	M Ma	S1 : Repair slope instability. Inspector Comments: Cavity located under rock rip rap on waterward slope at the shoulder over an irrigation pipe.	38.381126 ° -121.524208 °	38.381126 ° -121.524208 °	976 Y
								DWR ID: DWR_RD0150_02_s_2012_976		
47	5.33	5.33	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability. Inspector Comments: Depression in the landward slope at the shoulder over an irrigation pipe.	38.381126 ° -121.524207 °	38.381126 ° -121.524207 °	975 Y
								DWR ID: DWR_RD0150_02_s_2012_975		
48	5.47	5.49	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.382675 ° -121.522367 °	38.382793 ° -121.522164 °	74
								DWR ID: DWR_RD0150_02_s_2012_74		
49	5.55	5.57	Earthen Levee	Trim / Thin Trees	LS	C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.383320 ° -121.521259 °	38.383575 ° -121.520835 °	44
								DWR ID: DWR_RD0150_02_s_2012_44		
50	5.81	5.81	Earthen Levee	Encroachments	WS	C Ma	DE : Debris Inspector Comments: Tires on the waterward slope.	38.385654 ° -121.517535 °	38.385654 ° -121.517535 °	965
								DWR ID: DWR_RD0150_02_s_2012_965		
51	5.83	5.83	Earthen Levee	Encroachments	LS	C Ma	DE : Debris	38.385788 ° -121.517406 °	38.385788 ° -121.517406 °	41
								DWR ID: DWR_RD0150_02_s_2012_41		
52	6.18	6.18	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.390386 ° -121.515078 °	38.390386 ° -121.515078 °	26 Y
								DWR ID: DWR_RD0150_02_s_2012_26		
53	6.41	6.41	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Century plant on the landward slope.	38.393655 ° -121.514654 °	38.393655 ° -121.514654 °	27 Y
								DWR ID: DWR_RD0150_02_s_2012_27		
54	6.42	6.42	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.393850 ° -121.514629 °	38.393850 ° -121.514629 °	29
								DWR ID: DWR_RD0150_02_s_2012_29		
55	6.43	6.43	Earthen Levee	Trim / Thin Trees	LS	C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.394008 ° -121.514609 °	38.394008 ° -121.514609 °	67
								DWR ID: DWR_RD0150_02_s_2012_67		
56	6.46	6.46	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.394416 ° -121.514590 °	38.394416 ° -121.514590 °	31 Y
								DWR ID: DWR_RD0150_02_s_2012_31		
57	6.50	6.57	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.394935 ° -121.514597 °	38.395931 ° -121.514604 °	65 Y
								DWR ID: DWR_RD0150_02_s_2012_65		

*** Location**

LS : Land Side
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**** Rating**

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Sacramento River						Right	7.95	10/31/2012 10/31/2012	Pavel Kazi	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
58	6.53	6.53	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.395340 ° -121.514528 °	38.395340 ° -121.514528 °	34 Y
DWR ID: DWR_RD0150_02_s_2012_34										
59	6.59	6.59	Earthen Levee	Encroachments	WS	M En	ST : Stairway	38.396235 ° -121.514547 °	38.396235 ° -121.514547 °	42 Y
DWR ID: DWR_RD0150_02_s_2012_42										
60	6.60	6.60	Earthen Levee	Encroachments	WS	M Ma	DE : Debris	38.396374 ° -121.514534 °	38.396374 ° -121.514534 °	2 Y
DWR ID: DWR_RD0150_02_f_2012_2										
61	6.67	6.72	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.397411 ° -121.514681 °	38.398033 ° -121.514753 °	64 Y
DWR ID: DWR_RD0150_02_s_2012_64										
62	6.75	6.75	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Century plant on landside of the levee.	38.398456 ° -121.514735 °	38.398456 ° -121.514735 °	43 Y
DWR ID: DWR_RD0150_02_s_2012_43										
63	6.80	6.80	Earthen Levee	Trim / Thin Trees	WS	C Ma	T1 : Trim trees to at least five feet above ground level.	38.399149 ° -121.514797 °	38.399149 ° -121.514797 °	35
DWR ID: DWR_RD0150_02_s_2012_35										
64	6.83	6.83	Earthen Levee	Trim / Thin Trees	LS	C Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.399689 ° -121.514926 °	38.399689 ° -121.514926 °	61
DWR ID: DWR_RD0150_02_s_2012_61										
65	6.93	7.05	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.400936 ° -121.515173 °	38.402613 ° -121.515863 °	60 Y
DWR ID: DWR_RD0150_02_s_2012_60										
66	7.12	7.12	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.403631 ° -121.516299 °	38.403631 ° -121.516299 °	58 Y
DWR ID: DWR_RD0150_02_s_2012_58										
67	7.25	7.25	Earthen Levee	Trim / Thin Trees	LS	C Ma	T1 : Trim trees to at least five feet above ground level.	38.405383 ° -121.516940 °	38.405383 ° -121.516940 °	46
DWR ID: DWR_RD0150_02_s_2012_46										
68	7.28	7.28	Earthen Levee	Slope Stability	WS	M Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.405774 ° -121.517283 °	38.405774 ° -121.517283 °	968 Y
DWR ID: DWR_RD0150_02_s_2012_968										
69	7.34	7.34	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.406454 ° -121.517732 °	38.406454 ° -121.517732 °	32
DWR ID: DWR_RD0150_02_s_2012_32										
70	7.35	7.35	Earthen Levee	Slope Stability	WS	C Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.406607 ° -121.517739 °	38.406607 ° -121.517739 °	970
DWR ID: DWR_RD0150_02_s_2012_970										
71	7.36	7.41	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.406817 ° -121.517687 °	38.407430 ° -121.518047 °	48 Y
DWR ID: DWR_RD0150_02_s_2012_48										
72	7.92	7.92	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.413705 ° -121.522806 °	38.413705 ° -121.522806 °	56 Y
DWR ID: DWR_RD0150_02_s_2012_56										

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	2
Start Levee Mile	0.16
End Levee Mile	0.16
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Building located on waterside of levee at LM 0.16

pkazi_f_20120913_633.JPG



Levee Mile Report Line	3
Start Levee Mile	0.17
End Levee Mile	0.21
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping was found on the landside of the levee looking upstream.

pkazi_f_20121102_001.jpg



Levee Mile Report Line	5
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping on landward slope at LM 0.25 blocking view of levee slope.

pkazi_f_20120913_603.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	6
Start Levee Mile	0.27
End Levee Mile	0.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Remove tree branches from landside of levee at LM 0.27	
pkazi_f_20120913_646.JPG	



Levee Mile Report Line	7
Start Levee Mile	0.34
End Levee Mile	0.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fence was found on the landside of the levee looking upstream.	
pkazi_f_20120913_606.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.39
End Levee Mile	0.39
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A stairway was found on the waterside of the levee. The picture was taken from the crown looking upstream.	
pkazi_f_20120913_609.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	9
Start Levee Mile	0.40
End Levee Mile	0.40
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Slope instability was found on the waterside of the levee looking upstream.

pkazi_f_20120913_604.jpg



Levee Mile Report Line	11
Start Levee Mile	0.59
End Levee Mile	0.59
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Trim trees above 5' from surface of the waterside of the levee within 20' from shoulder at LM 0.59

pkazi_f_20120913_635.JPG



Levee Mile Report Line	13
Start Levee Mile	0.98
End Levee Mile	0.98
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Overgrown trees were obstructing the landside slope of the levee looking upstream.

pkazi_f_20120913_608.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	14
Start Levee Mile	1.16
End Levee Mile	1.16
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of a tree stump on the landward slope.

pkazi_f_20120913_605.jpg



Levee Mile Report Line	16
Start Levee Mile	1.34
End Levee Mile	1.37
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping was found landside of the levee looking upstream.

pkazi_f_20120913_645.jpg



Levee Mile Report Line	17
Start Levee Mile	2.20
End Levee Mile	2.26
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree was obstructing the visibility on the landside of the levee looking upstream.

pkazi_f_20121102_002.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	18
Start Levee Mile	2.31
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping was found on the landside of the levee. The picture was taken from the crown looking upstream.

pkazi_f_20120913_644.jpg



Levee Mile Report Line	20
Start Levee Mile	2.75
End Levee Mile	2.75
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A tank was found on the landside toe of the levee looking upstream.

pkazi_f_20120913_617.jpg



Levee Mile Report Line	21
Start Levee Mile	2.80
End Levee Mile	2.80
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of a tree stump on the landward slope.

pkazi_f_20120913_610.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	24
Start Levee Mile	3.02
End Levee Mile	3.06
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping providing a screen for a residence on landside of levee from LM 3.02 to LM 3.06

pkazi_f_20120913_643.JPG



Levee Mile Report Line	25
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of erosion on the waterward slope looking upstream. Depressions into the slope can be seen in several places.

pkazi_f_20120913_648.jpg



Levee Mile Report Line	25
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Additional view of erosion on the waterward slope looking upstream. Note the damaged pump support, pump, and pipe just upstream of the site.

pkazi_f_20120913_649.jpg



*** Location**

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WS : Water Side
CR : Crown

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+ Issue Type

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Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	25
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of the erosion site, and broken pump support along with a boat on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2011 inspection.

pkazi_f_20120913_650.jpg



Levee Mile Report Line	25
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of erosion and damaged pipe and abandoned boat on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

pkazi_f_20121102_003.jpg



Levee Mile Report Line	27
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Crown
Category	Earthen Levee
Item	Encroachments

PVC pipe was used under the levee crown for irrigation purpose. The picture was taken from the crown looking downstream.

pkazi_f_20120913_611.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	28
Start Levee Mile	3.60
End Levee Mile	3.73
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping was blocking the visibility on the landside of the levee looking upstream.

pkazi_f_20121102_004.jpg



Levee Mile Report Line	29
Start Levee Mile	3.90
End Levee Mile	3.93
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping in front of a residence on landside of levee from LM 3.90 to LM 3.93. The levee in this location is greater than 100' wide.

pkazi_f_20120913_642.JPG



Levee Mile Report Line	30
Start Levee Mile	3.94
End Levee Mile	3.94
Location	Water Side
Category	Earthen Levee
Item	Encroachments

A stairway was found on the waterside slope of the levee.

pkazi_f_20120913_623.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	31
Start Levee Mile	4.15
End Levee Mile	4.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of a retaining wall on the landward slope looking upstream.

pkazi_f_20120913_615.jpg



Levee Mile Report Line	32
Start Levee Mile	4.17
End Levee Mile	4.17
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of cacti on the landside of the levee looking from the crown.

pkazi_f_20121102_005.jpg



Levee Mile Report Line	33
Start Levee Mile	4.31
End Levee Mile	4.31
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Overgrown tree was obstructing the visibility on the waterside slope of the levee looking upstream.

pkazi_f_20121102_006.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	34
Start Levee Mile	4.33
End Levee Mile	4.35
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping (Oleander) on landward slope from 4.33 to 4.35

pkazi_f_20120913_618.jpg



Levee Mile Report Line	35
Start Levee Mile	4.37
End Levee Mile	4.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Trees were obstructing the views on the landside slope of the levee looking downstream.

pkazi_f_20121102_007.jpg



Levee Mile Report Line	37
Start Levee Mile	4.50
End Levee Mile	4.50
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2012_SAC_38-5_R_1.jpg



*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	37
Start Levee Mile	4.50
End Levee Mile	4.50
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2012_SAC_38-5_R_2.jpg



Levee Mile Report Line	38
Start Levee Mile	4.68
End Levee Mile	4.68
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of a tree on the landward slope with lower branches blocking visibility and access. Most of these branches appear to already be dead and should be removed.

pkazi_f_20120913_656.jpg



Levee Mile Report Line	39
Start Levee Mile	4.76
End Levee Mile	4.76
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Century plant on waterward slope at LM 4.76

pkazi_f_20120913_621.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	40
Start Levee Mile	4.78
End Levee Mile	4.79
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Trees were obstructing the views on the landside slope of the levee looking upstream.

pkazi_f_20121102_008.jpg



Levee Mile Report Line	41
Start Levee Mile	4.95
End Levee Mile	4.95
Location	Water Side
Category	Earthen Levee
Item	Encroachments

End of the pipe was not welded properly to perform as a closure device. The picture was taken from the crown looking upstream.

pkazi_f_20120913_616.jpg



Levee Mile Report Line	42
Start Levee Mile	4.98
End Levee Mile	4.98
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree stumps were found on the landside of the levee looking from the crown.

pkazi_f_20120913_626.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	45
Start Levee Mile	5.17
End Levee Mile	5.22
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping along the landward shoulder and slope looking downstream.

pkazi_f_20120913_641.jpg



Levee Mile Report Line	46
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of rock placed on a pipe penetration on the waterward slope. Cavities can be seen under the rocks.

pkazi_f_20120913_655.jpg



Levee Mile Report Line	47
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of a minor depression along the landward slope of the levee over a pipe penetration looking downstream.

pkazi_f_20120913_654.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	52
Start Levee Mile	6.18
End Levee Mile	6.18
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Century plant and vegetation was found on the landside of the levee looking upstream.

pkazi_f_20120913_619.jpg



Levee Mile Report Line	53
Start Levee Mile	6.41
End Levee Mile	6.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Century plant was found on the landside of the levee looking upstream.

pkazi_f_20120913_620.jpg



Levee Mile Report Line	56
Start Levee Mile	6.46
End Levee Mile	6.46
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Trees need to be trimmed on the landside of the levee looking upstream.

pkazi_f_20120913_622.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	57
Start Levee Mile	6.50
End Levee Mile	6.57
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping along the waterward shoulder and slope looking downstream.

pkazi_f_20120913_640.jpg



Levee Mile Report Line	58
Start Levee Mile	6.53
End Levee Mile	6.53
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Landscaping was found on the waterside of the levee looking upstream.

pkazi_f_20120913_624.jpg



Levee Mile Report Line	59
Start Levee Mile	6.59
End Levee Mile	6.59
Location	Water Side
Category	Earthen Levee
Item	Encroachments

A stairway was found on the waterside slope of the levee looking upstream.

pkazi_f_20120913_628.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	60
Start Levee Mile	6.60
End Levee Mile	6.60
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Debris was found on the waterside slope of the levee looking upstream.	
pkazi_f_20121102_010.jpg	



Levee Mile Report Line	61
Start Levee Mile	6.67
End Levee Mile	6.72
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping providing a screen for a residence on landside of levee from LM 6.68 to LM 6.72	
pkazi_f_20120913_639.JPG	



Levee Mile Report Line	62
Start Levee Mile	6.75
End Levee Mile	6.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Century plants were found on the landside of the levee looking upstream.	
pkazi_f_20120913_629.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	65
Start Levee Mile	6.93
End Levee Mile	7.05
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping providing a screen for a residence on landside of levee from LM 6.93 to LM 7.05	
pkazi_f_20120913_638.JPG	



Levee Mile Report Line	66
Start Levee Mile	7.12
End Levee Mile	7.12
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping providing a screen for a residence on landside of levee at LM 7.12	
pkazi_f_20120913_637.JPG	



Levee Mile Report Line	68
Start Levee Mile	7.28
End Levee Mile	7.28
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
View of minor erosion along the top portion of the waterward slope likely cause by foot traffic. The erosion has started to encroach into the shoulder of the road.	
pkazi_f_20120913_652.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.95	10/31/2012 10/31/2012	Pavel Kazi

Levee Mile Report Line	71
Start Levee Mile	7.36
End Levee Mile	7.41
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Trim/thin trees and brush on landside of levee from LM 7.36 to LM 7.41	
pkazi_f_20120913_632.JPG	



Levee Mile Report Line	72
Start Levee Mile	7.92
End Levee Mile	7.92
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on landside of levee at LM 7.92	
pkazi_f_20120913_636.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 0150 Merrit Island

Waterway			Bank	Unit Miles
Unit No. 03 Elk Slough			Left	9.58
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/29/2012 - 03/29/2012		10/30/2012 - 10/30/2012	
DWR Inspector	Pavel Kazi		Pavel Kazi	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Reclamation District No. 0150 Merrit Island

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough							Left	9.58	10/30/2012 10/30/2012	Pavel Kazi
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
12	1.82	1.82	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site. Inspector Comments: Erosion appeared under the pipe.	38.353249 ° -121.572848 °	38.353249 ° -121.572848 °	50 Y
								DWR ID: DWR_RD0150_03_s_2012_50		
13	2.34	2.34	Earthen Levee	Encroachments	LS	M En	TR : Tree or limb Inspector Comments: New tree was planted on the waterside slope.	38.354286 ° -121.564494 °	38.354286 ° -121.564494 °	78 Y
								DWR ID: DWR_RD0150_03_s_2012_78		
14	2.45	2.45	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.355174 ° -121.563216 °	38.355174 ° -121.563216 °	18
								DWR ID: DWR_RD0150_03_s_2012_18		
15	2.60	2.60	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.356853 ° -121.561565 °	38.356853 ° -121.561565 °	11 Y
								DWR ID: DWR_RD0150_03_s_2012_11		
16	2.87	2.87	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.360621 ° -121.561762 °	38.360621 ° -121.561762 °	17 Y
								DWR ID: DWR_RD0150_03_s_2012_17		
17	2.93	2.93	Earthen Levee	Slope Stability	WS	M Ma	S1 : Repair slope instability.	38.361375 ° -121.562134 °	38.361375 ° -121.562134 °	76 Y
								DWR ID: DWR_RD0150_03_s_2012_76		
18	2.93	2.93	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.361375 ° -121.562135 °	38.361375 ° -121.562135 °	75 Y
								DWR ID: DWR_RD0150_03_s_2012_75		
19	3.13	3.13	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.363798 ° -121.560948 °	38.363798 ° -121.560948 °	22 Y
								DWR ID: DWR_RD0150_03_s_2012_22		
20	3.18	3.18	Earthen Levee	Trim / Thin Trees	WS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.363800 ° -121.560128 °	38.363800 ° -121.560128 °	19 Y
								DWR ID: DWR_RD0150_03_s_2012_19		
21	3.21	3.21	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.363658 ° -121.559583 °	38.363658 ° -121.559583 °	20 Y
								DWR ID: DWR_RD0150_03_s_2012_20		
22	3.30	3.30	Earthen Levee	Encroachments	LS	C Ma	DE : Debris	38.363152 ° -121.558088 °	38.363152 ° -121.558088 °	40
								DWR ID: DWR_RD0150_03_s_2012_40		
23	3.31	3.31	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.363101 ° -121.557847 °	38.363101 ° -121.557847 °	91 Y
								DWR ID: DWR_RD0150_03_f_2012_91		
24	3.34	3.34	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.363015 ° -121.557325 °	38.363015 ° -121.557325 °	70 Y
								DWR ID: DWR_RD0150_03_s_2012_70		
25	3.34	3.34	Earthen Levee	Encroachments	LS	M Ma	MA : Material	38.363015 ° -121.557325 °	38.363015 ° -121.557325 °	71 Y
								DWR ID: DWR_RD0150_03_s_2012_71		

*** Location**

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough				Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
26	3.34	3.34	Earthen Levee	Encroachments	LS	M En	PI : Pipe	38.363043 ° -121.557316 °	38.363043 ° -121.557316 °	39 Y
DWR ID: DWR_RD0150_03_s_2012_39										
27	3.41	3.41	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.363147 ° -121.556190 °	38.363147 ° -121.556190 °	27 Y
DWR ID: DWR_RD0150_03_s_2012_27										
28	3.47	3.47	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site. Inspector Comments: Erosion was located on the waterside of the levee looking downstream.	38.363803 ° -121.555432 °	38.363803 ° -121.555432 °	98 Y
DWR ID: DWR_RD0150_03_s_2012_98										
29	3.50	3.54	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.364251 ° -121.555321 °	38.364772 ° -121.555343 °	47 Y
DWR ID: DWR_RD0150_03_s_2012_47										
30	3.51	3.51	Earthen Levee	Encroachments	LS	M En	EQ : Equipment	38.363205 ° -121.555962 °	38.363205 ° -121.555962 °	97 Y
DWR ID: DWR_RD0150_03_s_2012_97										
31	3.75	3.75	Earthen Levee	Slope Stability	LS	A/W Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	38.367305 ° -121.554984 °	38.367305 ° -121.554984 °	927 Y
DWR ID: DWR_RD0150_03_s_2012_927										
32	3.77	3.77	Earthen Levee	Slope Stability	WS	M Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.367393 ° -121.554528 °	38.367393 ° -121.554528 °	15 Y
DWR ID: DWR_RD0150_03_s_2012_15										
33	3.95	3.95	Earthen Levee	Encroachments	LS	M Ma	DE : Debris	38.368118 ° -121.551509 °	38.368118 ° -121.551509 °	48 Y
DWR ID: DWR_RD0150_03_s_2012_48										
34	4.04	4.04	Earthen Levee	Crown Surface / Depressions / Rutting	LS	C Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.369455 ° -121.551616 °	38.369455 ° -121.551616 °	95
DWR ID: DWR_RD0150_03_s_2012_95										
35	4.05	4.05	Earthen Levee	Crown Surface / Depressions / Rutting	CR	A Ma	C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comments: It appears the LMA fixed the issue.	38.369479 ° -121.551605 °	38.369479 ° -121.551605 °	85 Y
DWR ID: DWR_RD0150_03_f_2012_85										
36	4.06	4.06	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C Ma	C2 : Repair depressions or ruts in the crown or slope.	38.369686 ° -121.551744 °	38.369686 ° -121.551744 °	35
DWR ID: DWR_RD0150_03_s_2012_35										
37	4.10	4.10	Earthen Levee	Animal Control	WS	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.370113 ° -121.552009 °	38.370113 ° -121.552009 °	29
DWR ID: DWR_RD0150_03_s_2012_29										
38	4.35	4.35	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.373319 ° -121.550836 °	38.373319 ° -121.550836 °	37 Y
DWR ID: DWR_RD0150_03_s_2012_37										
39	4.46	4.46	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	38.374269 ° -121.549385 °	38.374269 ° -121.549385 °	51 Y
DWR ID: DWR_RD0150_03_s_2012_51										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough							Left	9.58	10/30/2012 10/30/2012	Pavel Kazi
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
40	4.51	4.51	Earthen Levee	Encroachments	LS	M Ma	TR : Tree or limb	38.374267 ° -121.548441 ° DWR ID: DWR_RD0150_03_s_2012_52	38.374267 ° -121.548441 °	52 Y
41	4.58	4.58	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.374367 ° -121.547327 ° DWR ID: DWR_RD0150_03_s_2012_94	38.374367 ° -121.547327 °	94 Y
42	4.59	4.59	Earthen Levee	Trim / Thin Trees	WS	C Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.374419 ° -121.547096 ° DWR ID: DWR_RD0150_03_s_2012_53	38.374419 ° -121.547096 °	53 Y
43	4.74	4.74	Earthen Levee	Crown Surface / Depressions / Rutting	CR	A Ma	C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comments: LMA has fixed the pot hole on the access road. DWR ID: DWR_RD0150_03_f_2012_83	38.375152 ° -121.544656 °	38.375152 ° -121.544656 °	83 Y
44	4.74	4.74	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C Ma	C3 : Add appropriate gravel or road base. Grade and compact. DWR ID: DWR_RD0150_03_s_2012_92	38.375170 ° -121.544631 °	38.375170 ° -121.544631 °	92 Y
45	4.98	4.98	Earthen Levee	Encroachments	LS	M Ma	EQ : Equipment DWR ID: DWR_RD0150_03_s_2012_9	38.377761 ° -121.541319 °	38.377761 ° -121.541319 °	9 Y
46	5.08	5.08	Earthen Levee	Slope Stability	WS	M Ma	S1 : Repair slope instability. DWR ID: DWR_RD0150_03_f_2012_36	38.378771 ° -121.540538 °	38.378771 ° -121.540538 °	36 Y
47	5.09	5.09	Earthen Levee	Encroachments	WS	C Ma	PR : Prunings DWR ID: DWR_RD0150_03_s_2012_65	38.378828 ° -121.540487 °	38.378828 ° -121.540487 °	65 Y
48	5.13	5.13	Earthen Levee	Slope Stability	WS	M Ob	S1 : Repair slope instability. DWR ID: DWR_RD0150_03_s_2012_4	38.379456 ° -121.540147 °	38.379456 ° -121.540147 °	4 Y
49	5.13	5.13	Earthen Levee	Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. DWR ID: DWR_RD0150_03_s_2012_2	38.379454 ° -121.540149 °	38.379454 ° -121.540149 °	2 Y
50	5.20	5.20	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. DWR ID: DWR_RD0150_03_s_2012_8	38.380436 ° -121.540105 °	38.380436 ° -121.540105 °	8 Y
51	5.22	5.22	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C2 : Repair depressions or ruts in the crown or slope. Inspector Comments: There is a significant difference in the crown roadway elevation as it transitions from the paved roadway to the gravel access road. DWR ID: DWR_RD0150_03_s_2012_941	38.380779 ° -121.540264 °	38.380779 ° -121.540264 °	941 Y
52	5.61	5.61	Earthen Levee	Encroachments	LS	M En	PR : Prunings DWR ID: DWR_RD0150_03_s_2012_12	38.383328 ° -121.545825 °	38.383328 ° -121.545825 °	12 Y
53	5.66	5.66	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. DWR ID: DWR_RD0150_03_s_2012_68	38.383697 ° -121.545201 °	38.383697 ° -121.545201 °	68 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough							Left	9.58	10/30/2012 10/30/2012	Pavel Kazi
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
54	5.80	5.80	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.383969 ° -121.542806 °	38.383969 ° -121.542806 °	41
								DWR ID: DWR_RD0150_03_s_2012_41		
55	5.88	5.88	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.384333 ° -121.541310 °	38.384333 ° -121.541310 °	28 Y
								DWR ID: DWR_RD0150_03_s_2012_28		
56	5.89	5.94	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.384363 ° -121.541161 °	38.384796 ° -121.540525 °	56 Y
								DWR ID: DWR_RD0150_03_s_2012_56		
57	5.93	5.93	Earthen Levee	Encroachments	LS	M Ma	TR : Tree or limb	38.384648 ° -121.540669 °	38.384648 ° -121.540669 °	57 Y
								DWR ID: DWR_RD0150_03_s_2012_57		
58	5.93	5.93	Earthen Levee	Encroachments	CR	U En	BU : Building	38.384803 ° -121.540545 °	38.384803 ° -121.540545 °	58 Y
								DWR ID: DWR_RD0150_03_s_2012_58		
59	6.01	6.09	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.385752 ° -121.539905 °	38.386703 ° -121.540042 °	21 Y
								DWR ID: DWR_RD0150_03_s_2012_21		
60	6.05	6.05	Earthen Levee	Trim / Thin Trees	WS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.386351 ° -121.539828 °	38.386351 ° -121.539828 °	33 Y
								DWR ID: DWR_RD0150_03_s_2012_33		
61	6.06	6.06	Earthen Levee	Encroachments	WS	M Ma	PI : Pipe Inspector Comments: Improperly abandoned pipe through the levee.	38.386422 ° -121.539861 °	38.386422 ° -121.539861 °	46 Y
								DWR ID: DWR_RD0150_03_s_2012_46		
62	6.14	6.14	Earthen Levee	Encroachments	WS	M En	AV : Abandoned vehicles Inspector Comments: It appeared to be an abandoned dock.	38.387295 ° -121.540612 °	38.387295 ° -121.540612 °	44 Y
								DWR ID: DWR_RD0150_03_s_2012_44		
63	6.14	6.14	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.387348 ° -121.540577 °	38.387348 ° -121.540577 °	23
								DWR ID: DWR_RD0150_03_s_2012_23		
64	6.17	6.22	Earthen Levee	Vegetation	LS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.387706 ° -121.540997 °	38.388199 ° -121.541464 °	45
								DWR ID: DWR_RD0150_03_s_2012_45		
65	6.18	6.18	Earthen Levee	Vegetation	LS	A Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: LMA has fixed the issue.	38.387811 ° -121.541093 °	38.387811 ° -121.541093 °	38 Y
								DWR ID: DWR_RD0150_03_f_2012_38		
66	6.24	6.31	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.388535 ° -121.541657 °	38.389391 ° -121.541901 °	24 Y
								DWR ID: DWR_RD0150_03_s_2012_24		
67	6.34	6.34	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.389658 ° -121.541518 °	38.389658 ° -121.541518 °	49 Y
								DWR ID: DWR_RD0150_03_s_2012_49		
68	6.35	6.36	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.389700 ° -121.541462 °	38.389808 ° -121.541285 °	25
								DWR ID: DWR_RD0150_03_s_2012_25		

*** Location**

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough							Left	9.58	10/30/2012 10/30/2012	Pavel Kazi
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
69	6.37	6.40	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.389858 ° -121.541155 °	38.390115 ° -121.540657 °	26 Y
								DWR ID: DWR_RD0150_03_s_2012_26		
70	6.49	6.49	Earthen Levee	Trim / Thin Trees	WS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.390935 ° -121.539369 °	38.390935 ° -121.539369 °	62 Y
								DWR ID: DWR_RD0150_03_s_2012_62		
71	6.56	6.56	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.391616 ° -121.538378 °	38.391616 ° -121.538378 °	60 Y
								DWR ID: DWR_RD0150_03_s_2012_60		
72	6.61	6.61	Earthen Levee	Slope Stability	WS	M Ma	S1 : Repair slope instability.	38.392172 ° -121.538065 °	38.392172 ° -121.538065 °	43 Y
								DWR ID: DWR_RD0150_03_f_2012_43		
73	6.64	6.64	Earthen Levee	Encroachments	LS	M En	PR : Prunings	38.392650 ° -121.538089 °	38.392650 ° -121.538089 °	77 Y
								DWR ID: DWR_RD0150_03_f_2012_77		
74	6.87	6.95	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.395670 ° -121.537925 °	38.396027 ° -121.536575 °	30 Y
								DWR ID: DWR_RD0150_03_s_2012_30		
75	6.93	6.95	Earthen Levee	Encroachments	LS	M En	FE : Fence	38.395470 ° -121.536613 °	38.395998 ° -121.536613 °	13 Y
								DWR ID: DWR_RD0150_03_s_2012_13		
76	6.98	7.04	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Landscaping has been maintained better, but some obstructions still exist.	38.396187 ° -121.536180 °	38.396989 ° -121.535151 °	933
								DWR ID: DWR_RD0150_03_s_2012_933		
77	7.02	7.02	Earthen Levee	Trim / Thin Trees	LS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.396698 ° -121.535406 °	38.396698 ° -121.535406 °	79
								DWR ID: DWR_RD0150_03_f_2012_79		
78	7.02	7.02	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	38.396655 ° -121.535485 °	38.396655 ° -121.535485 °	61 Y
								DWR ID: DWR_RD0150_03_s_2012_61		
79	7.06	7.09	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.397021 ° -121.535151 °	38.397540 ° -121.535183 °	31
								DWR ID: DWR_RD0150_03_s_2012_31		
80	7.39	7.39	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping	38.401481 ° -121.536876 °	38.401481 ° -121.536876 °	64 Y
								DWR ID: DWR_RD0150_03_s_2012_64		
81	7.42	7.47	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.401738 ° -121.537127 °	38.402296 ° -121.537678 °	32 Y
								DWR ID: DWR_RD0150_03_s_2012_32		
82	7.47	7.47	Earthen Levee	Encroachments	WS	C Ma	DE : Debris	38.402274 ° -121.537692 °	38.402274 ° -121.537692 °	14
								DWR ID: DWR_RD0150_03_s_2012_14		
83	7.50	7.50	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.402779 ° -121.538197 °	38.402779 ° -121.538197 °	63 Y
								DWR ID: DWR_RD0150_03_s_2012_63		

* Location		** Rating		+ Issue Type	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough							Left	9.58	10/30/2012 10/30/2012	Pavel Kazi
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
84	7.54	7.54	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.403047 ° -121.538433 °	38.403047 ° -121.538433 °	84 Y
								DWR ID: DWR_RD0150_03_s_2012_84		
85	7.55	7.55	Earthen Levee	Vegetation	LS	C En	V6 : Landscaping	38.403161 ° -121.538610 °	38.403161 ° -121.538610 °	34 Y
								DWR ID: DWR_RD0150_03_s_2012_34		
86	7.58	7.58	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.403566 ° -121.538886 °	38.403566 ° -121.538886 °	934 Y
								DWR ID: DWR_RD0150_03_s_2012_934		
87	7.60	7.60	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	38.403795 ° -121.539205 °	38.403795 ° -121.539205 °	935 Y
								DWR ID: DWR_RD0150_03_s_2012_935		
88	7.81	7.81	Earthen Levee	Encroachments	WS	M En	PO : Pole	38.405275 ° -121.542473 °	38.405275 ° -121.542473 °	1 Y
								DWR ID: DWR_RD0150_03_s_2012_1		
89	7.82	7.82	Earthen Levee	Encroachments	WS	M Ma	TR : Tree or limb	38.405341 ° -121.542537 °	38.405341 ° -121.542537 °	54 Y
								DWR ID: DWR_RD0150_03_s_2012_54		
90	7.82	7.82	Earthen Levee	Encroachments	LS	M Ma	EQ : Equipment	38.405342 ° -121.542553 °	38.405342 ° -121.542553 °	16 Y
								DWR ID: DWR_RD0150_03_s_2012_16		
91	7.85	7.85	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	38.405734 ° -121.542887 °	38.405734 ° -121.542887 °	81 Y
								DWR ID: DWR_RD0150_03_f_2012_81		
92	7.86	7.86	Earthen Levee	Trim / Thin Trees	WS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.405850 ° -121.542956 °	38.405850 ° -121.542956 °	86 Y
								DWR ID: DWR_RD0150_03_s_2012_86		
93	8.03	8.25	Earthen Levee	Trim / Thin Trees	WS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.408018 ° -121.541858 °	38.409151 ° -121.538463 °	82 Y
								DWR ID: DWR_RD0150_03_f_2012_82		
94	8.05	8.05	Earthen Levee	Encroachments	WS	M En	PI : Pipe Inspector Comments: An abandon pipe.	38.408342 ° -121.541580 °	38.408342 ° -121.541580 °	87 Y
								DWR ID: DWR_RD0150_03_s_2012_87		
95	8.21	8.21	Earthen Levee	Erosion / Bank Caving	WS	C Ma	E1 : Note and monitor erosion site.	38.409275 ° -121.539150 °	38.409275 ° -121.539150 °	946 Y
								DWR ID: DWR_RD0150_03_s_2012_946		
96	8.46	8.46	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	38.407960 ° -121.534898 °	38.407960 ° -121.534898 °	66 Y
								DWR ID: DWR_RD0150_03_s_2012_66		
97	8.48	8.48	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	38.407958 ° -121.534583 °	38.407958 ° -121.534583 °	67 Y
								DWR ID: DWR_RD0150_03_s_2012_67		
98	8.52	8.52	Earthen Levee	Animal Control	WS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.408153 ° -121.533980 °	38.408153 ° -121.533980 °	89 Y
								DWR ID: DWR_RD0150_03_s_2012_89		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough							Left	9.58	10/30/2012 10/30/2012	Pavel Kazi
LMR No.	Levee Mile		Category	Item	* Location	Rating + + + + -	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
99	8.52	8.52	Earthen Levee	Encroachments	WS	M En	PO : Pole	38.408155 ° -121.533982 °	38.408155 ° -121.533982 °	88
								DWR ID: DWR_RD0150_03_s_2012_88		
100	8.52	8.62	Earthen Levee	Encroachments	LS	M En	DT : Ditch Inspector Comments: Irrigation ditch in landside toe	38.408238 ° -121.533866 °	38.409291 ° -121.532702 °	69
								DWR ID: DWR_RD0150_03_s_2012_69		
101	8.62	8.62	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.409220 ° -121.532801 °	38.409220 ° -121.532801 °	90
								DWR ID: DWR_RD0150_03_s_2012_90		
102	8.65	8.65	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.409559 ° -121.532356 °	38.409559 ° -121.532356 °	55
								DWR ID: DWR_RD0150_03_s_2012_55		
103	8.69	8.69	Earthen Levee	Erosion / Bank Caving	WS	C Ma	E1 : Note and monitor erosion site.	38.409849 ° -121.531729 °	38.409849 ° -121.531729 °	6
								DWR ID: DWR_RD0150_03_s_2012_6		
104	8.87	8.87	Earthen Levee	Encroachments	WS	M Ma	DE : Debris	38.411593 ° -121.529143 °	38.411593 ° -121.529143 °	7
								DWR ID: DWR_RD0150_03_s_2012_7		
105	9.35	9.35	Earthen Levee	Trim / Thin Trees	WS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.413433 ° -121.526180 °	38.413433 ° -121.526180 °	72
								DWR ID: DWR_RD0150_03_s_2012_72		
106	9.38	9.38	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	38.413268 ° -121.525929 °	38.413268 ° -121.525929 °	59
								DWR ID: DWR_RD0150_03_s_2012_59		
107	9.51	9.51	Earthen Levee	Trim / Thin Trees	WS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.413169 ° -121.523707 °	38.413169 ° -121.523707 °	73
								DWR ID: DWR_RD0150_03_s_2012_73		
108	9.56	9.56	Earthen Levee	Trim / Thin Trees	WS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.413649 ° -121.523087 °	38.413649 ° -121.523087 °	74
								DWR ID: DWR_RD0150_03_s_2012_74		
109	9.56	9.56	Earthen Levee	Encroachments	LS	M En	EQ : Equipment	38.413560 ° -121.522936 °	38.413560 ° -121.522936 °	950
								DWR ID: DWR_RD0150_03_s_2012_950		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	9.40
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2012_ELK_0-2_L_1.jpg



Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	9.40
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2012_ELK_0-2_L_2.jpg



Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	9.40
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

USACE2012_ELK_0-2_L_3.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	5
Start Levee Mile	0.11
End Levee Mile	0.11
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of elderberry bush within 20 feet of shoulder blocking visibility and access.

pkazi_f_20120913_750.jpg



Levee Mile Report Line	6
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of steps, a dock, and associated utilities on the waterward slope.

pkazi_f_20120913_658.jpg



Levee Mile Report Line	8
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of trees and bushes within 20 feet of the shoulder blocking visibility and access.

pkazi_f_20120913_751.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	9
Start Levee Mile	0.92
End Levee Mile	0.95
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of elderberries on the landward slope blocking visibility and access.

pkazi_f_20120913_660.jpg



Levee Mile Report Line	12
Start Levee Mile	1.82
End Levee Mile	1.82
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion was found on the waterside slope of the levee near the vicinity of the pipe. The picture was taken from the crown looking downstream.

pkazi_f_20120913_701.jpg



Levee Mile Report Line	13
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

New tree has been planted on the landside slope of the levee looking upstream.

pkazi_f_20120913_729.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	13
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

New tree was planted on the landside of the levee looking downstream.

pkazi_f_20120913_730.jpg



Levee Mile Report Line	13
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

New tree was found on the landside shoulder of the levee looking downstream. This picture was taken during fall 2012 inspection.

pkazi_f_20121101_998.jpg



Levee Mile Report Line	15
Start Levee Mile	2.60
End Levee Mile	2.60
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of tree stumps on the landward slope.

pkazi_f_20120913_667.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	16
Start Levee Mile	2.87
End Levee Mile	2.87
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of tree stumps on the waterward slope.

pkazi_f_20120913_674.jpg



Levee Mile Report Line	17
Start Levee Mile	2.93
End Levee Mile	2.93
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Slope instability was found on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee.

pkazi_f_20120913_727.jpg



Levee Mile Report Line	17
Start Levee Mile	2.93
End Levee Mile	2.93
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Erosion was found on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

pkazi_f_20120913_728.jpg



*** Location**

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WS : Water Side
CR : Crown

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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	18
Start Levee Mile	2.93
End Levee Mile	2.93
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Depression was found on the crown of the levee looking downstream.	
pkazi_f_20120913_726.jpg	



Levee Mile Report Line	19
Start Levee Mile	3.13
End Levee Mile	3.13
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
A depression was found on the crown of the levee looking downstream.	
pkazi_f_20120913_679.jpg	



Levee Mile Report Line	20
Start Levee Mile	3.18
End Levee Mile	3.18
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of tree stumps on the waterward slope.	
pkazi_f_20120913_676.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	21
Start Levee Mile	3.21
End Levee Mile	3.21
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of tree stumps on the waterward slope.

pkazi_f_20120913_677.jpg



Levee Mile Report Line	23
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Crown depression was found on the access road looking downstream.

pkazi_f_20121101_997.jpg



Levee Mile Report Line	24
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the landside of the levee looking downstream.

pkazi_f_20120913_722.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	24
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Animal holes were found on the landside shoulder of the levee. This picture was taken from the crown looking towards the landside of the levee during fall 2012 inspection.

pkazi_f_20121101_996.jpg



Levee Mile Report Line	25
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Material was found on the landside of the levee looking downstream.

pkazi_f_20120913_723.jpg



Levee Mile Report Line	26
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

An abandoned pipe was located on the landside of the levee. The picture was taken from the crown looking downstream.

pkazi_f_20120913_691.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	27
Start Levee Mile	3.41
End Levee Mile	3.41
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of tree stumps on the waterside slope looking upstream.

pkazi_f_20120913_682.jpg



Levee Mile Report Line	28
Start Levee Mile	3.47
End Levee Mile	3.47
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion was found on the waterside of the levee looking downstream.

pkazi_f_20120913_744.jpg



Levee Mile Report Line	29
Start Levee Mile	3.50
End Levee Mile	3.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping & garden on landward slope of levee at LM 3.50 to LM 3.54.

pkazi_f_20120913_696.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	30
Start Levee Mile	3.51
End Levee Mile	3.51
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Equipment was found on the landside of the levee looking downstream.

pkazi_f_20120913_743.jpg



Levee Mile Report Line	31
Start Levee Mile	3.75
End Levee Mile	3.75
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Repair minor damage to levee slope along landward ramp at LM 3.75.

pkazi_f_20120913_745.jpg



Levee Mile Report Line	31
Start Levee Mile	3.75
End Levee Mile	3.75
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Slope instability possible due to vehicular traffic on the landside of the levee. The picture was taken from the crown looking upstream during Spring 2011 inspection.

pkazi_f_20120913_746.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	32
Start Levee Mile	3.77
End Levee Mile	3.77
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Repair slope damaged by foot traffic at LM 3.77.

pkazi_f_20120913_671.JPG



Levee Mile Report Line	32
Start Levee Mile	3.77
End Levee Mile	3.77
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Updated picture of the erosion on the waterside slope of the levee during Spring 2011 inspection.

pkazi_f_20120913_672.jpg



Levee Mile Report Line	32
Start Levee Mile	3.77
End Levee Mile	3.77
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Slope instability was found on the waterside of the levee looking downstream. This picture was taken during fall 2012 inspection.

pkazi_f_20121101_995.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	33
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Debris pile on landward slope at LM 3.95.

pkazi_f_20120913_697.JPG



Levee Mile Report Line	33
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Updated view of material piled at the toe of the levee as of fall 2009.

pkazi_f_20120913_698.jpg



Levee Mile Report Line	33
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Debris found on the landside of the levee during Spring 2011 inspection. The picture was taken from the crown looking upstream.

pkazi_f_20120913_699.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	35
Start Levee Mile	4.05
End Levee Mile	4.05
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Crown depression was fixed by the LMA looking downstream.	
pkazi_f_20121101_994.jpg	



Levee Mile Report Line	38
Start Levee Mile	4.35
End Levee Mile	4.35
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of tree stumps on the waterward slope.	
pkazi_f_20120913_690.jpg	



Levee Mile Report Line	39
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Remove pruning pile on landward slope at LM 4.46.	
pkazi_f_20120913_702.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	39
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Pruning was found on the landside of the levee looking downstream.	
pkazi_f_20120913_703.jpg	



Levee Mile Report Line	39
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Pruning was found on the landside of the levee looking upstream. This picture was taken during fall 2012 inspection.	
pkazi_f_20121101_993.jpg	



Levee Mile Report Line	40
Start Levee Mile	4.51
End Levee Mile	4.51
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Tree branches were found on the toe of landside of the levee. The picture was taken from the crown looking downstream.	
pkazi_f_20120913_704.jpg	

*** Location**

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CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	43
Start Levee Mile	4.74
End Levee Mile	4.74
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Crown depression was repaired by the LMA looking upstream.	
pkazi_f_20121101_992.jpg	



Levee Mile Report Line	45
Start Levee Mile	4.98
End Levee Mile	4.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Equipment on the landside toe of the levee. The picture was taken from crown looking downstream.	
pkazi_f_20120913_664.jpg	



Levee Mile Report Line	46
Start Levee Mile	5.08
End Levee Mile	5.08
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
Slope instability was found on the waterside of the levee looking upstream.	
pkazi_f_20121101_980.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	48
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Slope instability was found on the waterside of the levee looking upstream.

pkazi_f_20120913_659.jpg



Levee Mile Report Line	50
Start Levee Mile	5.20
End Levee Mile	5.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Vegetation on the landside of the levee looking upstream.

pkazi_f_20120913_663.jpg



Levee Mile Report Line	51
Start Levee Mile	5.22
End Levee Mile	5.22
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

View of varying elevations in the crown of the levee at the transition from county road to access road.

pkazi_f_20120913_752.jpg



*** Location**

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WS : Water Side
CR : Crown

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	52
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Prunings were found on the landside of the levee looking upstream.

pkazi_f_20120913_668.jpg



Levee Mile Report Line	52
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Pruning was found on the landside toe of the levee looking upstream. This picture was taken during fall 2012 inspection.

pkazi_f_20121101_981.jpg



Levee Mile Report Line	53
Start Levee Mile	5.66
End Levee Mile	5.66
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree stump was found on the waterside of the levee looking upstream.

pkazi_f_20120913_721.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	55
Start Levee Mile	5.88
End Levee Mile	5.88
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Wild growth was found on the waterside slope of the levee looking upstream.

pkazi_f_20121101_982.jpg



Levee Mile Report Line	56
Start Levee Mile	5.89
End Levee Mile	5.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of fence around a horse pen along the shoulder of the levee and the landward slope.

pkazi_f_20120913_708.jpg



Levee Mile Report Line	57
Start Levee Mile	5.93
End Levee Mile	5.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of a tree trunk lying on the landward slope blocking visibility.

pkazi_f_20120913_709.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	58
Start Levee Mile	5.93
End Levee Mile	5.93
Location	Crown
Category	Earthen Levee
Item	Encroachments

Building & associated landscaping on levee crown at LM 5.93.

pkazi_f_20120913_710.JPG



Levee Mile Report Line	59
Start Levee Mile	6.01
End Levee Mile	6.09
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping was found on the landside of the levee looking upstream.

pkazi_f_20120913_678.jpg



Levee Mile Report Line	60
Start Levee Mile	6.05
End Levee Mile	6.05
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree trunks and vegetation was obstructing the visibility on the waterside slope of the levee looking downstream.

pkazi_f_20120913_687.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	61
Start Levee Mile	6.06
End Levee Mile	6.06
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of an improperly abandoned pipe through the levee looking upstream.

pkazi_f_20120913_695.jpg



Levee Mile Report Line	62
Start Levee Mile	6.14
End Levee Mile	6.14
Location	Water Side
Category	Earthen Levee
Item	Encroachments

An abandoned dock was found on the waterside of the levee looking upstream.

pkazi_f_20120913_693.jpg



Levee Mile Report Line	65
Start Levee Mile	6.18
End Levee Mile	6.18
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Vegetation was removed by the LMA on the landside of the levee looking upstream.

pkazi_f_20121101_983.jpg



*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	66
Start Levee Mile	6.24
End Levee Mile	6.31
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Oleander on landward slope blocking view of levee from LM 6.24 to 6.32	
pkazi_f_20120913_680.jpg	



Levee Mile Report Line	67
Start Levee Mile	6.34
End Levee Mile	6.34
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of tree stumps on the waterward slope.	
pkazi_f_20120913_700.jpg	



Levee Mile Report Line	69
Start Levee Mile	6.37
End Levee Mile	6.40
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on landward slope blocking view from LM 6.37 to 6.40	
pkazi_f_20120913_681.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	70
Start Levee Mile	6.49
End Levee Mile	6.49
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Vegetation on the waterside of the levee looking downstream.

pkazi_f_20120913_716.jpg



Levee Mile Report Line	70
Start Levee Mile	6.49
End Levee Mile	6.49
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree was blocking the visibility on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

pkazi_f_20121101_984.jpg



Levee Mile Report Line	71
Start Levee Mile	6.56
End Levee Mile	6.56
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping along the landward slope.

pkazi_f_20120913_712.jpg



*** Location**

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CR : Crown

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A/W : Acceptable but Monitor & Maintain

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	72
Start Levee Mile	6.61
End Levee Mile	6.61
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Slope instability was found on the waterside of the levee looking downstream.

pkazi_f_20121101_985.jpg



Levee Mile Report Line	73
Start Levee Mile	6.64
End Levee Mile	6.64
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Pruning was found on the landside of the levee looking upstream.

pkazi_f_20121101_986.jpg



Levee Mile Report Line	74
Start Levee Mile	6.87
End Levee Mile	6.95
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping on landward slope blocking view from LM 6.87 to 6.95

pkazi_f_20120913_684.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	75
Start Levee Mile	6.93
End Levee Mile	6.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fence was found on the landside of the levee looking downstream.	
pkazi_f_20120913_669.jpg	



Levee Mile Report Line	78
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Updated erosion site picture on the waterside slope of the levee looking upstream during Spring 2011 inspection.	
pkazi_f_20120913_713.jpg	



Levee Mile Report Line	78
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion was found on the waterside of the levee looking downstream. This picture was taken during fall 2011 inspection.	
pkazi_f_20120913_714.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	78
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

pkazi_f_20120913_715.jpg



Levee Mile Report Line	78
Start Levee Mile	7.02
End Levee Mile	7.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Erosion was found on the waterside slope of the levee looking downstream. This updated picture was taken during fall 2012 inspection.

pkazi_f_20121101_987.jpg



Levee Mile Report Line	80
Start Levee Mile	7.39
End Levee Mile	7.39
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Landscaping on the waterside of the levee. The picture was taken from the crown looking upstream.

pkazi_f_20120913_718.jpg



*** Location**

LS : Land Side
WS : Water Side
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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	81
Start Levee Mile	7.42
End Levee Mile	7.47
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping on landward slope blocking view from LM 7.42 to 7.47

pkazi_f_20120913_685.jpg



Levee Mile Report Line	81
Start Levee Mile	7.42
End Levee Mile	7.47
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Vegetation on the landside of the levee looking upstream. This picture was taken during spring 2012 inspection.

pkazi_f_20120913_686.jpg



Levee Mile Report Line	83
Start Levee Mile	7.50
End Levee Mile	7.50
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of a tree stump on the landward slope.

pkazi_f_20120913_717.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	84
Start Levee Mile	7.54
End Levee Mile	7.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping was found on the landside shoulder of the levee looking upstream.

pkazi_f_20121101_988.jpg



Levee Mile Report Line	86
Start Levee Mile	7.58
End Levee Mile	7.58
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping was blocking the visibility on the landside of the levee looking downstream.

pkazi_f_20121101_989.jpg



Levee Mile Report Line	87
Start Levee Mile	7.60
End Levee Mile	7.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Prunings located on the toe of landward side of the levee. The picture was taken from the crown looking upstream.

pkazi_f_20120913_747.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	87
Start Levee Mile	7.60
End Levee Mile	7.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Prunings were found on the landside of the levee looking upstream. This picture was taken during fall 2011 inspection.

pkazi_f_20120913_748.jpg



Levee Mile Report Line	87
Start Levee Mile	7.60
End Levee Mile	7.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Pruning was found on the landside of the levee looking upstream.

pkazi_f_20120913_749.jpg



Levee Mile Report Line	89
Start Levee Mile	7.82
End Levee Mile	7.82
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Tree limb was found on the waterside of the levee looking upstream.

pkazi_f_20120913_706.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	90
Start Levee Mile	7.82
End Levee Mile	7.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Equipment was found on the landside of the levee looking upstream.

pkazi_f_20120913_673.jpg



Levee Mile Report Line	91
Start Levee Mile	7.85
End Levee Mile	7.85
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Pruning was found on the landside toe of the levee looking from the crown.

pkazi_f_20121101_990.jpg



Levee Mile Report Line	92
Start Levee Mile	7.86
End Levee Mile	7.86
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree branches were blocking the visibility of the waterside of the levee looking upstream.

pkazi_f_20120913_737.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	94
Start Levee Mile	8.05
End Levee Mile	8.05
Location	Water Side
Category	Earthen Levee
Item	Encroachments

An abandoned pipe was found on the waterside of the levee looking upstream.

pkazi_f_20120913_738.jpg



Levee Mile Report Line	96
Start Levee Mile	8.46
End Levee Mile	8.46
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Repair erosion on waterward slope near shoulder at LM 8.46.

pkazi_f_20120913_719.JPG



Levee Mile Report Line	97
Start Levee Mile	8.48
End Levee Mile	8.48
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Slope instability on the waterside slope of the levee. The picture was taken from the crown looking upstream.

pkazi_f_20120913_720.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	97
Start Levee Mile	8.48
End Levee Mile	8.48
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Slope instability was found on the waterside shoulder of the levee looking upstream. This picture was taken during fall 2012 inspection.

pkazi_f_20121101_991.jpg



Levee Mile Report Line	98
Start Levee Mile	8.52
End Levee Mile	8.52
Location	Water Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the waterside of the levee looking upstream.

pkazi_f_20120913_739.jpg



Levee Mile Report Line	101
Start Levee Mile	8.62
End Levee Mile	8.62
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

A tree stump was found on the landside of the levee looking upstream.

pkazi_f_20120913_740.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	102
Start Levee Mile	8.65
End Levee Mile	8.65
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

A tree stump was found on the waterside of the levee looking upstream.

pkazi_f_20120913_707.jpg



Levee Mile Report Line	104
Start Levee Mile	8.87
End Levee Mile	8.87
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Broken concrete pipe was left on the waterside slope of the levee. The picture was taken from the crown looking upstream.

pkazi_f_20120913_662.jpg



Levee Mile Report Line	105
Start Levee Mile	9.35
End Levee Mile	9.35
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Trees needed to be trimmed for visibility of the waterside slope of the levee. The picture was taken from the crown looking towards the slough.

pkazi_f_20120913_724.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.58	10/30/2012 10/30/2012	Pavel Kazi

Levee Mile Report Line	106
Start Levee Mile	9.38
End Levee Mile	9.38
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

A tree stump was found on the waterside of the levee looking upstream.

pkazi_f_20120913_711.jpg



Levee Mile Report Line	107
Start Levee Mile	9.51
End Levee Mile	9.51
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Thin/trim trees to allow for visibility of top 20' of waterward slope at LM 9.51.

pkazi_f_20120913_725.JPG



Levee Mile Report Line	109
Start Levee Mile	9.56
End Levee Mile	9.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Equipment was found on the landside of the levee looking downstream.

pkazi_f_20120913_754.jpg



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